

UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))	Attorney Docket No.	INFN0002
	First Inventor	Yuan Che Hsieh, et al.
	Title	SYSTEM AND METHOD FOR IMPROVING RESOLUTION OF CHANNEL DATA
	Express Mail Label No.	EV322527812US

22154 U.S. PTO
10/6/0545



APPLICATION ELEMENTS	Commissioner for Patents Mail Stop Patent Application PO Box 1450 Alexandria, VA 22313-1450
-----------------------------	--

1. <input checked="" type="checkbox"/> Fee Transmittal Form (submit an original and a duplicate for fee processing) 2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 3. <input checked="" type="checkbox"/> Specification [total pages <u>24</u>] (preferred Arrangement set forth below) - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R&D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) [total sheets <u>4</u>] 5. <input checked="" type="checkbox"/> Oath or Declaration [total sheets <u>2</u>] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from prior appl. (37 C.F.R. § 1.63(d)) i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).	6. <input type="checkbox"/> Application Data Sheet. (See 37 CFR 1.76) 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form b. <input type="checkbox"/> Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies
--	--

ACCOMPANYING APPLICATION PARTS

9. <input checked="" type="checkbox"/> Assignment Papers (coversheet/document(s)) 10. <input type="checkbox"/> 37 CFR. 3.73(b) Statement (when there is an assignee) <input checked="" type="checkbox"/> Power of Attorney 11. <input type="checkbox"/> English Translation Document 12. <input type="checkbox"/> IDS & Form 1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) 15. <input type="checkbox"/> Certified Copy of Priority Document(s) 16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input type="checkbox"/> Other:
--

17. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: /

Prior application information: Examiner: Group/Art Unit:

FOR CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label **25235** or ☐ Correspondence address below

Name					
Address					
City		State		ZIP	
Country		Telephone		Fax	

Name (Print/Type)	Stuart T. Langley	Registration No.	33,940
(Signature)	<i>Stuart Langley</i>	Date	9/24/03

09/24/03 17:19 U.S. PTO

FEE TRANSMITTAL for FY 2003

TOTAL AMOUNT OF PAYMENT (\$) (\$1504.00)

Complete if Known

Application Number	
Filing Date	Herewith
First Named Inventor	Yuan Che Hsieh, et al.
Examiner Name	
Group / Art Unit	
Attorney Docket No.	INFN0002

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number

50-1123

Deposit Account Name

Hogan & Hartson L.L.P.

☒ Charge Any Additional Fee Required Under 37 CFR § 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check

☐ Credit Card

☐ Money Order

☐ Other

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for ex parte reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 410	216 205	Extension for reply within second month	
117 930	217 465	Extension for reply within third month	
118 1,450	218 725	Extension for reply within fourth month	
128 1,970	228 985	Extension for reply within fifth month	
119 320	219 160	Notice of Appeal	
120 320	220 160	Filing a brief in support of an appeal	
121 280	221 140	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,300	241 650	Petition to revive - unintentional	
142 1,300	242 650	Utility issue fee (or reissue)	
143 460	243 230	Design issue fee	
144 630	244 315	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Processing fee under 37 CFR 1.17(q)	
126 180	126 180	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	40.00
146 750	246 375	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 750	249 375	For each additional invention to be examined (37 CFR § 1.129(b))	
179 750	279 375	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$40.00)

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001- 750	2001 375	Utility Filing Fee	750.00
1006 330	2006 165	Design filing fee	
1007 520	2007 260	Plant filing fee	
1008 750	2008 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$750.00)

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
41	-20**= 21	X 18	= 378.00
7	-3**= 4	X 84	= 336.00
Multiple Dependent			= 0

**or number previously paid, if greater; For Reissues, see below

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	**Reissue independent claims over original patent
1205 18	2205 9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$714.00)

SUBMITTED BY Complete (if applicable)

Name (Print/Type)
Signature

Stuart T. Langley

Registration No. (Attorney/Agent)

33,940

Telephone

(720) 406-5335

Date

9/24/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Yuan Che Hsieh, et al.

Serial No. _____

Filed: Herewith

For: SYSTEM AND METHOD FOR
IMPROVING RESOLUTION OF
CHANNEL DATA

Group Art Unit:

Examiner:

CERTIFICATE OF MAILING BY EXPRESS MAIL

Mail Stop Patent Application
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Commissioner:

The undersigned hereby certifies that the following documents:

- Utility Patent Application Transmittal;
- Utility Patent Application [Specification (16 pages); Claims (7 pages); Abstract (1 page); Drawings (4 sheets)];
- Declaration (executed);
- Assignment with Recordation Cover Sheet;
- Fee Transmittal with check in the amount of \$1504.00;
- Certificate of Mailing by Express Mail; and
- Return Receipt Postcard.

relating to the above application, were deposited as "Express Mail", Mailing Label No. EV322527812US, with the United States Postal Service, addressed to Mail Stop PATENT APPLICATION, Commissioner for Patents, PO Box 1450, Alexandria VA, 22313-1450, September 24, 2003.

9/24/03
Date

9/24/03
Date

Stuart T. Langley
Mailer

Stuart T. Langley

Stuart T. Langley
Reg. No. 33,940
HOGAN & HARTSON LLP
One Tabor Center
1200 17th Street, Suite 1500
Denver, Colorado 80202
(720) 406-5335 Tel
(720) 406-5301 Fax

**DESIGNATION OF
CORRESPONDENCE ADDRESS**
Patent

Addressed to:

Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450

Patent Number

Issue Date

Application Number

Filing Date

First Named Inventor

September 24, 2003

Yuan Che Hsieh

Please designate the Correspondence Address for the above-identified patent as:



Customer Number

25235

Type Customer Number here

I am the: Attorney or agent of record.

Date

9/24/03

Stuart T. Langley
Stuart T. Langley, Reg. No. 33,940
Hogan & Hartson LLP
One Tabor Center
1200 17th Street, Suite 1500
Denver, CO 80202
(720) 406-5335 Tel
(720) 406-5301 Fax